



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

AUTHORITY TO CONSTRUCT

E015053

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

EXPIRES LAST DAY OF: FEBRUARY 2027

OWNER OF OPERATOR (Co.#650)

Hesperia Water District
9700 7th Avenue
Hesperia, CA 92345

EQUIPMENT LOCATION (Fac.#2541)

Hesperia Water - I Avenue
8343 I Avenue
Hesperia, CA 92345

Description:

NATURAL GAS IC ENGINE, EMERGENCY GENERATOR consisting of: A natural gas-fired internal combustion engine, USEPA family RKHXB06.2HNL, manufactured in 2024. Exhaust flow approximately 1024 acfm, at 1292 degrees Fahrenheit through a 10 foot high by 0.42 foot diameter exhaust stack. Equipment is located at an elevation of 3091 feet above MSL.

One Kohler, NG fired internal combustion engine Model No. KG6208THD and Serial No. 415809, Turbo Charged, After Cooled, Three-Way Catalyst (also NSCR), Four-Stroke Rich Burn, Spark-Ignited, producing 204 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 1678 scf/hr. This equipment powers a Kohler Generator Model No. 4R13X and Serial No. 33MVGMMML0028, rated at 125 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.261	gm/bhp-hr
NOx	0.0075	gm/bhp-hr
PM10	0.0724	gm/bhp-hr
PM2.5	0.0724	gm/bhp-hr
SOx	0.0022	gm/bhp-hr
VOC	0.0075	gm/bhp-hr

CONDITIONS:

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 9199

SCC: 20100202

Location/UTM(Km):
472E/3808N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

Hesperia Water District
9700 7th Avenue
Hesperia, CA 92345

By: **COPY**
Eldon Heaston
Air Pollution Control Officer

1. This stationary, spark-ignited, internal combustion engine and its associated control device (Three-Way Catalyst) shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[40 CFR 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, subpart 60.4243; District Rule 1302]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this equipment to indicate elapsed engine operating time.
[40 CFR 60.4237]

3. This unit shall only be fired on pipeline quality natural gas fuel.
[40 CFR 60.4243, District Rules 431 and 1303]

4. This engine shall be limited to use for emergency power, defined as in response to a fire or flood, or when commercially available power has been interrupted. In addition, this engine shall be operated no more than 50 hours per year for testing and maintenance.
[District Rule 1320 (hour limiting)]

5. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
 - a. Monthly fuel usage in cubic feet or therms;
 - b. Monthly, calendar quarterly, and calendar year operation in terms of total hours;
 - c. Records of all maintenance and repair actions performed on the engine, generator, and the catalytic converter.
[40 CFR 60.4245, 40 CFR 1048]

6. This engine shall not be operated concurrently with the engine covered under District Permit E008558. The operations logs for this unit required by Condition 5 must clearly show the startup date and times to demonstrate compliance with this requirement. Engine permitted under E008558 must be removed from service prior to the startup operation of the new unit permitted under E015053.
[District Rules 1160, 1302 and 1320]

7. This equipment may operate in response to an impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time. The engine may be operated no more than 30 minutes prior to the forecasted outage and must be shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[40 CFR 60.4243]

8. This equipment shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[40 CFR 60.4243]

9. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b); H&S Code 39607 & 44341-44342; 17 CCR 93400 et seq.; and 40 CFR 51, Subpart A]